

## Abstract

5 The present invention provides a small, thin, light and low cost zoom lens suitable for cellular telephones, portable information terminals, etc. In particular, it can provide a small and thin, high performance zoom lens having a zoom ratio of approximately 2, a depth of less than 9 mm during shooting and in storage, a total lens length of less than 30 mm, an angle of view of approximately  $61^\circ$ , and a F number of approximately 2.8 providing a sufficient light, with various aberrations all suitably corrected.

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